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portions than that of the preceding, it is also more uniform in its breadth and depth, and has a strong curve downwards as in *B. rorqual*, *Lac.* It is very nearly flat internally and demi-cylindrical externally. The upper margin is angular but not prominent, and forms the boundary between the inner and outer side. The gingival foramina, five in number in the specimen, are placed below the upper margin internally, are about one line in diameter, and open very obliquely forward into grooves almost horizontal, from half an inch to one inch long. The labial foramina of which there are the remains of seven in the specimen, are about half an inch external to the upper margin, are about two lines in diameter, and open very obliquely forward.

*Measurements of the fragment.*

Vertical diameter, . . . . .	3 inches.
Transverse " . . . . .	2 "

The caudal vertebra found associated with the above fragment, and which I suppose to belong to the same animal, is adult, and indicates a larger species than the *B. palæatlantica*, for it is as large as the dorsal vertebra of the latter. Its articular faces are subcircular, and are moderately convex. The transverse processes and neural arch are broken away in the specimen, as is also the case with the abutments of the chevron bone. The transverse processes have their origin  $1\frac{3}{4}$  inches posterior to the anterior articular face.

*Measurements.*

Length of the body,	$6\frac{1}{2}$ inches.
Breadth of anterior articular face,	$6\frac{1}{2}$ "
Depth " " "	6 "
Breadth of transverse process,	4 "
" neural arch,	$3\frac{3}{4}$ "
" spinal canal,	7 lines.

Dr. Fisher, on behalf of the Committee on the Memoir of Dr. Morton, announced that it had been read by Dr. Meigs on Thursday evening last, Nov. 6th, 1851, at the Hall of the University of Pennsylvania.

Whereupon the following resolutions were offered, and unanimously adopted :—

*Resolved*, That the sincere thanks of this Society are due, and are hereby presented to Dr. Charles D. Meigs, for his able and highly appropriate Memoir of its late President, Dr. Samuel George Morton, read before the Society on the 6th inst., at the Hall of the University of Pennsylvania.

*Resolved*, That the Memoir be published, and that the Committee on Proceedings have charge of the same.

November 18th.

Vice President BRIDGES in the Chair.

A letter was read from the Asiatic Society of Bengal, dated Calcutta, May 9th, 1851, acknowledging the receipt of Part 1, Vol. 2, new series of the Journal.

Dr. Leidy read a paper, intended for publication in the Proceedings, entitled "On some American Fresh-water Polyzoa."

Also a second paper, intended for publication in the Journal, entitled "Description of a new species of fossil Crocodile."

Both communications were referred to the following Committee, Dr. Ruschenberger, Dr. Fisher, and Dr. Le Conte.

Mr. Lea read a letter from Mr. Edward Miller, giving the localities of the coal fossils presented by him this evening.

Mr. Lea also made some remarks on the scenery and geological characters of the White Mountains.

The following resolution was unanimously adopted:—

*Resolved*, That the thanks of this Society be presented to Dr. E. K. Kane, for the valuable donations made by him to the Museum of the Academy, of specimens of Natural History collected during his recent voyage to the Arctic Regions.

November 25th.

Vice President BRIDGES in the Chair.

The Committee on Dr. Leidy's description of a new species of Fossil Crocodile, from the Miocene of Virginia, reported in favor of publication in the Journal.

The Committee on the two following papers by Dr. Le Conte, reported in favor of publication in the Proceedings.

*Synopsis of the species of DONACIA (Fabr.) inhabiting the United States.*

BY JOHN L. LE CONTE, M. D.

\* *Elytris depressis, triangularibus, truncatis: oculis orbito præditis.*

A. *Crassiusculæ, depressæ; antennæ articulis 2<sup>ndo</sup> et 3<sup>io</sup> subæqualibus: elytra profunde striata; femora dente postice emarginato, vel crenato.*

1. *D. magnifica*, splendide violacea, aureo-marginata, thorace quadrato, canaliculato, punctato, pedibus posticis magnis, tibiis incurvis. Long. .34. Lake Superior.

Mas, femoribus posticis bidentatis, tibiis intus serratis. Femina fem. post. unidentatis, tibiis non serratis. Lec. 1, 236. ? *D. dentata* (Fabr.) Lac. 1, 121.

2. *D. proxima*, nigro-violacea, punctis inauratis, thorace quadrato, vix punctulato, canaliculato, lateribus modice tuberculato, femoribus posticis magnis, tibiis fere rectis. Long. .35—.43. Lake Superior, and Saratoga, (N. York.)

Mas, tibiis posticis intus serratis, fem. post. tridentatis, dente anteriore parvo, remoto. Femina, tibiis post. non serratis, fem. bidentatis, dentibus approximatis; variat femoribus posticis unidentatis.

Kirby. 225. *D. episcopalis* Lac. 1, 105. *D. quadricollis* var. Say. J. Ac. 5, 282.

B. *Longiusculæ, antennis attenuatis, articulo 3<sup>io</sup> 2<sup>ndo</sup> multo longiore, thorace vix punctato.*

3. *D. congener*, aurea nitida, thorace quadrato, postice canaliculato, subtiliter alutaceo, parceque punctulato, lateribus subsinuatis, angulis non